PROJECT DESCRIPTION

THIS PROJECT INVOLVES THE MODIFICATION OF THE EXISTING TRAFFIC CONTROL SIGNAL AT THE INTERSECTION OF US 29 (COLESVILLE ROAD) AND EASTBOUND MD 193 (UNIVERSITY BLVD EAST) IN MONTGOMERY COUNTY, US 29 IS ASSUMED TO RUN IN A NORTH-SOUTH DIRECTION. THE MODIFICATIONS CONSIST OF REPLACING EXISITNG SIGNAL HEADS WITH BLACK FACE SIGNAL HEADS AND VIDEO DETECTION CAMERA.

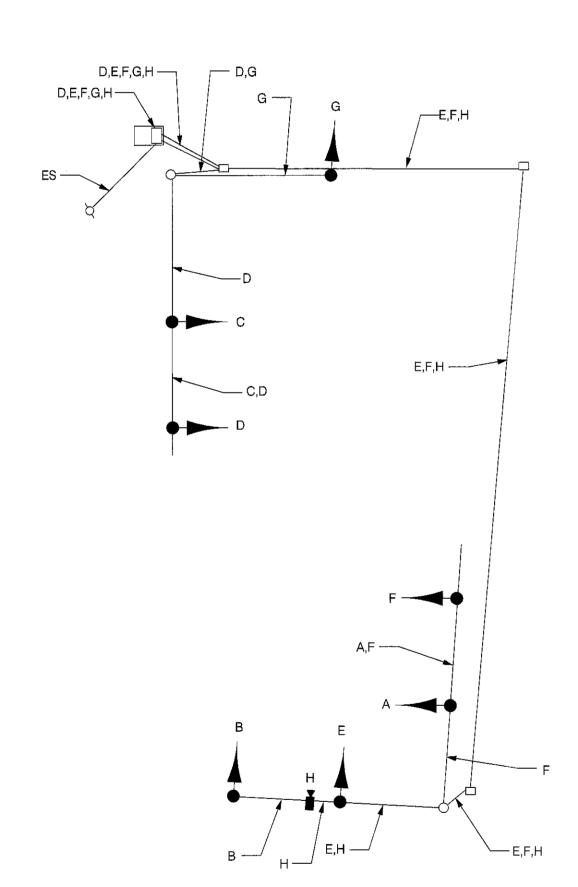
INTERSECTION OPERATION

THE INTERSECTION OPERATES IN A NEMA THREE-PHASE, FULL-TRAFFIC-ACTUATED MODE WITH ALTERNATE PEDESTRIAN PHASES ACROSS THE NORTH LEG AND SOUTH LEG OF US 29, AND CONCURRENT PEDESTRIAN PHASES ACROSS THE EAST LEG AND WEST LEG OF E.B. MD 193. A PRE-EMPTION ALSO EXISTS FOR SOUTHBOUND US 29 (COLESVILLE ROAD)

CONTROLLER REQUIREMENTS

THE EXISTING FULL-TRAFFIC-ACTUATED, EIGHT-PHASE CONTROLLER HOUSED IN A NEMA SIZE 6 CABINET WILL BE USED. VIDEO DETECTION INTERFACE EQUIPMENT WILL NEED TO BE INSTALLED.

WIRING DIAGRAM



WIRING KEY

- A-C EXISTING 5 CONDUCTOR ELECTRICAL CABLE
- (NO. 14 A.W.G.)
- D-G EXISTING 7 CONDUCTOR ELECTRICAL CABLE (NO. 14 A.W.G.)
- H CONTROL CABLE, 500 FT.
- ES ELECTRICAL SERVICE

EQUIPMENT LIST "A"

9086

A. EQUIPMENT TO BE FURNISHED BY MSHA AND INSTALLED BY THE CONTRACTOR.

ITEM NO. QUANTITY DESCRIPTION

1 EA

VIDEO DETECTION INTERFACE EQUIPMENT 1-4 CAMERAS

CONTACT PERSONS FOR DISTRICT 3 ARE AS FOLLOWS:

MR.LEE STARKLOFF ASSISTANT DISTRICT ENGINEER - TRAFFIC

(301) 513-7318

MR. WAYNE MOWDY ASSISTANT DISTRICT ENGINEER - MAINTENANCE

(301) 513-7304

MR. AUGIE REBISH ASSISTANT DISTRICT ENGINEER - UTILITIES (301) 513-7350

CONTACT PERSON FOR MONTGOMERY COUNTY

MR. ROBERT GONZALES MONTGOMERY COUNTY D.P.W.T (240) 777-8761

CONTACTS FOR OFFICE OF TRAFFIC AND SAFETY

MR. RICHARD DAFF, SR. CHIEF, TRAFFIC OPERATIONS (410) 787-7630

MR. ROBERT SNYDER

TRAFFIC OPERATIONS

(410) 787-7631

MR. EUGENE BAILEY TEAM LEADER SIGN OPERATIONS (410) 787-7676

ASSISTANT DIVISION CHIEF,

MS. DARLENE EIDE SUPPLY OFFICE SIGNAL SHOP WAREHOUSE

(410) 787-7668

MR. ED RODENHIZER TEAM LEADER SIGNAL OPERATIONS (410) 787-7652

SEQUENCE OF OPERATION SHEET INTERSECTION US 29 AND E.B. MD 193 R - RED Y - YELLOW G - GREEN 1- - ARROW F - FLASHING SEQUENCE OF OPERATION L......

EQUIPMENT LIST "B"

B. EQUIPMENT TO BE FURNISHED AND/OR INSTALLED BY CONTRACTOR.

ITEM NO.	<u>QUANTITY</u>	DESCRIPTION
1001	1 EA	MAINTENANCE OF TRAFFIC
8013	LS	REMOVE AND DISPOSE OF EQUIPMENT AND CABLE
8048	1 EA	FURNISH AND INSTALL VIDEO DETECTION CAMERA
8050	1 EA	FURNISH AND INSTALL CONTROL CABLE, 500 FT. VIDEO DETECTION CAMERA TO CONTROLLER
8056	21 EA	FURNISH AND INSTALL 12 IN. VEHICULAR SIGNAL HEAD SECTION

EQUIPMENT LIST "C"

C. EQUIPMENT TO BE RETURNED TO MSHA.

<u>ITEM NO.</u>

NONE

QUANTITY

DESCRIPTION

TRAFFIC CONCEPTS, INC. 325 Gambrills Road Suite E Gambrills, MD 21054 (410) 923–7101

FAX (410) 923-6473

EMAIL: TRACONCEPT@AOL.COM

SAA MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety TRAFFIC ENGINEERING DESIGN DIVISION

GENERAL INFORMATION SHEET US 29 (COLESVILLE ROAD) AND EASTBOUND MD 193 (UNIVERSITY BOULEVARD EAST)

DRAWN BY: _M.HOWELL 3535 D GI AT5825185 CHECKED BY: S.H.A. NO. SHEET NO. SCALE: MONTGOMERY COUNTY: T.I.M.S. NO. 15002902.69 G003 DATE: 10/11/2004 LOG MILE: